

# HAUL-MASTER®



## 4" RED FLUSH-MOUNT TAIL LIGHT 4" AMBER FLUSH-MOUNT TAIL LIGHT

<b>Model</b>	<b>93228</b>
	<b>93229</b>

### ASSEMBLY & OPERATING INSTRUCTIONS



*Due to continuing improvements, actual product may differ slightly from the product described herein.*



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**For technical questions and replacement parts please call 1-800-444-3353.**

THANK YOU for choosing a **HARBOR FREIGHT TOOLS** product. For future reference, please complete the owner's record below:

**Model** \_\_\_\_\_ **Serial No.** \_\_\_\_\_ **Purchase Date** \_\_\_\_\_

SAVE THE RECEIPT, WARRANTY AND THESE INSTRUCTIONS. It is important that you read the entire manual to become familiar with the unit BEFORE you begin assembly.

The Flush Mount Tail Light provides stop, turn and tail light functions.

### **Technical Specifications**

Technical specifications are the same for both #93229 and #93228.  
Model 93229 has a red tail light; model 93228 has an amber tail light.  
Overall Dimensions: 5-1/2" diameter x 2-1/4" Deep  
Lens: 4" diameter  
Construction: Housing is white ABS and Lens is acrylic.  
Bulb (included): One dual filament P21/5W 12V; 21-5W (1016);  
12499 Phillips® bulb. Bulb has two pins that are offset.  
Housing rotates 360 degrees.



***READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!***

### **Safety Warnings and Precautions**

**WARNING:** When using product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

#### **Read all instructions before using this product!**

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Keep work area well lighted.
3. **Store idle equipment.** When not in use, the Tail Lights must be stored in a safe and clean location. Always lock up products and keep out of reach of children.
4. **Use the right product for the job.** There are certain applications for which the Flush Mount Tail Light was designed. Do not modify the Tail Light and do not use the product for a purpose for which it was not intended.
5. **Check for damaged parts.** Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.
6. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty.
7. **Do not operate product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the product.
8. **Use eye protection.** Always wear ANSI approved impact safety goggles.

9. **Do not allow children to play with the Flush Mount Tail Light.**
10. **Always check hardware and assembled parts after assembling.** All connections should be tight and hardware tightened.
11. **Make certain to follow all local laws regarding vehicles and Tail Lights.**
12. **Do not cut or rewire any part of the Tail Light.**
13. **Make certain the vehicle is turned off before doing any maintenance.**

**Warning:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

### Unpacking

When unpacking your 4" Flush-Mount Tail Lights, check to make sure that all parts listed in the parts list on page 4 are included. If any parts are missing or broken, please call **HARBOR FREIGHT TOOLS** at **1-800-444-3353**.

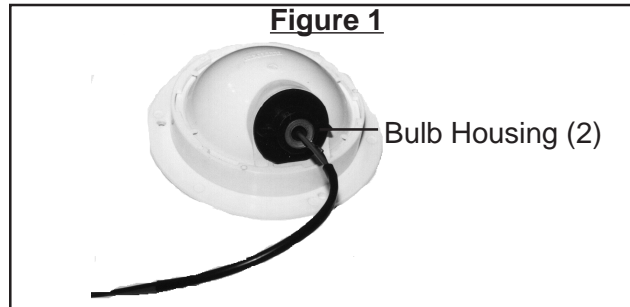
### Assembly

Your 4" Flush-mount Tail Lights will require complete installation. It is important that you read the entire manual to become familiar with the product BEFORE you install and use the 4" Flush-Mount Tail Lights. Before operating this product be sure that you have all parts described in the Parts List and Assembly Diagram located on page 4 of this manual. If you do not have experience doing this type of electrical work, the job should be done by an automotive service technician.

1. Make certain that the vehicle's engine is OFF before doing any maintenance. Proceed with the following steps for installing the 4" Flush-mount Tail Lights.
2. Use a pin connector or inline splice connector (both not included) to connect the Tail Lights to your vehicle. When using an inline splice connector, it is not necessary to strip the wires.
3. Insert two positive wires to the appropriate wires in your vehicle's lighting system. Insert one wire from your vehicle into one channel of the inline splice connector. Insert the wire from the Tail Light into the second channel of the inline splice connector. Fold down the tab on the inline splice connector to make the connection. Insert the second wire in the same fashion.
4. Make certain that the black wire is connected to metal on the vehicle to provide a ground.

### **Installing the Light Bulb**

1. Use a light bulb of the type described on page 2. Gently grasp and twist the Bulb Housing (2) and pull it out from the main Tail Light (1) - see Figure 1.



2. Line up pins on the light bulb with the grooves on the Bulb Housing (2) and slide the Light Bulb into place.
3. Verify that the Light Bulb is securely in place. Thread the Bulb Housing back into the main Tail Light (1).

**Note: When mounting the Tail Lights to a trailer, both the forward amber and the rear red Tail Lights are connected to the trailer's tail light wires.**

4. Once the wires are properly connected, test them before setting the Tail Light in place.
5. To mount onto a trailer or vehicle, use all three screw holes in the Tail Light Cover to secure it in place. Mounting hardware is not included with the Flush-Mount Tail Light. Note that the Amber Tail Light is mounted to the front of the vehicle, and the Red Tail Light is to be mounted to the rear of the vehicle.

### **Parts List**

<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
1	Main Tail Light	1
2	Bulb Housing	1

**Note:** Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

### **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.